

Date of Deposit: June 2, 2004



Please type a plus sign (+) in this box



PTO/SB (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/797,302
	Filing Date	March 9, 2004
	First Named Inventor	Smith
	Group Art Unit	Not Yet Assigned 1645
	Examiner Name	Not Yet Assigned SWARTZ
	Attorney Docket Number	25669-019

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
RPS	A1*	4,150,116	04/17/79	Taubman, et al.	424	88	
	A2*	4,250,262	02/10/81	Taubman, et al.	435	193	
	A3*	4,438,200	03/20/84	Taubman, et al.	435	193	
	A4*	5,223,409	06/29/93	Ladner, et al.	435	69.7	
	A5*	5,686,075	11/11/97	Taubman, et al.	424	197.11	

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
RPS	B1*	WO 90/02809	PROTEIN ENGINEERING CORPORATION	03/22/90	
	B2*	WO 91/17271	AFFYMAX TECHNOLOGIES N.V.	11/14/91	
	B3*	WO 92/01047	CAMBRIDGE ANTIBODY TECHNOLOGY LIMITED	01/23/92	
	B4*	WO 92/09690	GENENTECH, INC.	06/11/92	
	B5*	WO 92/15679	PROTEIN ENGINEERING CORPORATION	09/17/92	
	B6*	WO 92/18619	THE SCRIPPS RESEARCH INSTITUTE	10/29/92	
	B7*	WO 92/20791	CAMBRIDGE ANTIBODY TECHNOLOGY LIMITED	11/26/92	
	B8*	WO 93/01288	DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS	01/21/93	Abstract only
	B9*	WO 99/07828		02/18/99	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
RPS	C1*	Banas, et al., <i>Infect. Immun.</i> , 58(3):667-673 (1990).
	C2*	Banas, et al., <i>FEMS Microbiol. Lett.</i> , 154:289-292 (1997).
	C3*	Chia, et al., <i>Infect. Immun.</i> , 61(11):4689-4695 (1993).
	C4*	Chia, et al., <i>Infect. Immun.</i> , 69(4):2493-2501 (2001).
	C5*	Cole, et al., <i>Monoclonal Antibodies and Cancer Therapy</i> , pgs. 77-96 (1985).

RPSwartz 11-29-04

Date of Deposit: June 2, 2004

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initiate	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
MS	C6*	Dertzbaugh, et al., <i>Infect. Immun.</i> , 58(6):1509-1513 (1990).
	C7*	Dertzbaugh, et al., <i>Infect. Immun.</i> , 58(1):70-79 (1990).
	C8*	Devulapalle, et al., <i>Protein Sci.</i> , 6:2489-2493 (1997).
	C9*	Ferretti, et al., <i>J. Bacteriol.</i> , 169(9):4271-4278 (1987).
	C10*	Ferretti, et al., <i>Infect. Immun.</i> , 56(6):1585-1588 (1988).
	C11*	Fuchs, et al., <i>Biotechnology</i> , 9:1369-1372 (1991).
	C12*	Funane, et al., <i>Biochem.</i> , 32:13696-13702 (1993).
	C13*	Furst, et al., <i>Nucleic Acids Res.</i> , 17(16):6724 (1989).
	C14*	Galfre, et al., <i>Nature</i> , 266(5602):550-552 (1977).
	C15*	GenBank Accession number AY046410 (2001).
	C16*	GenBank Accession number AY046411 (2001).
	C17*	GenBank Accession number AY046412 (2001).
	C18*	GenBank Accession number AY046413 (2001).
	C19*	GenBank Accession number AY046414 (2001).
	C20*	Griffiths, et al., <i>EMBO J.</i> , 12(2):725-734 (1993).
	C21*	Hamada, et al., <i>Microbiol. Rev.</i> , 44(2):331-384 (1980).
	C22*	Hay, et al., <i>Hum. Antibod. Hybridomas</i> , 3:81-85 (1992).
	C23*	Higgins, et al., <i>CABIOS Communications</i> , 5(2):151-153 (1989).
	C24*	Hopp, et al., <i>Proc. Natl. Acad. Sci. USA</i> , 78(6):3824-3828 (1981).
	C25*	Huse, et al., <i>Science</i> , 246:1275-1281 (1989).
	C26*	Jenkins, et al., <i>FEBS Lett.</i> , 362:281-285 (1995).
	C27*	Jespergaard, et al., <i>Infect. Immun.</i> , 67(2):810-816 (1999).
	C28*	Jespergaard, et al., <i>Infect. Immun.</i> , 67(12):6543-6549 (1999).
	C29*	Keyes, et al., <i>Arch. Oral Biol.</i> , 9:377-400 (1964).
	C30*	Köhler, et al., <i>Nature</i> , 266(5602):495-497 (1975).
	C31*	Kolenbrander, P.E., <i>Annu. Rev. Microbiol.</i> , 54:413-437 (2000).
	C32*	Kuramitsu, et al., <i>Archs. Oral Biol.</i> , 23(8):691-696 (1978).
	C33*	Lerner, E.A., <i>Yale J. Biol. Med.</i> , 54(5):387-402 (1981).
	C34*	Loo, et al., <i>J. Bacteriol.</i> , 182(5):1374-1382 (2000).
	C35*	Ma, et al., <i>Eur. J. Immunol.</i> , 24:131-138 (1994).
	C36*	MacGregor, et al., <i>FEBS Lett.</i> , 378:263-266 (1996).
	C37*	Matsuura, et al., <i>J. Biochem.</i> , 95:697-702 (1984).
	C38*	Mattos-Graner, et al., <i>J. Dent. Res.</i> , 79(6):1371-1377 (2000).
	C39*	Mattos-Graner, et al., <i>Infect. Immun.</i> , 69(11):6931-6941 (2001).
	C40*	Merrifield, R.B., <i>Synthesis of a Tetrapeptide</i> , 85:2149-2154 (1963).
	C41*	Mooser, et al., <i>J. Dental Res.</i> , Abstract 1729, 69:325 (1990).
	C42*	Mooser, et al., <i>J. Biol. Chem.</i> , 266(14):8916-8922 (1991).
	C43*	Navarre, et al., <i>Mol. Microbiol.</i> , 14(1):115-121 (1994).
	C44*	Reinscheid, et al., <i>J. Bacteriol.</i> , 183(40):1175-1183 (2001).
	C45*	Russell, R.R.B., <i>J. Gen. Microbiol.</i> , 112:197-201 (1979).

MSW 11-29-04

Date of Deposit: June 2, 2004

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
P/S	C46*	Russell, et al., <i>J. Dental Res.</i> , 67(3):543-547 (1988).
	C47*	Sato, et al., <i>Infect. Immun.</i> , 65(2):668-675 (1997).
	C48*	Schubert, et al., <i>Arch. Microbiol.</i> , 173(1):21-28 (2000).
	C49*	Shimamura, et al., <i>J. Bacteriol.</i> , 176(16):4845-4850 (1994).
	C50*	Shiroza, et al., <i>J. Bacteriol.</i> , 169:4263-4270 (1987).
	C51*	Smith, et al., <i>Infect. Immun.</i> , 21(3):843-851 (1978).
	C52*	Smith, et al., <i>Infect. Immun.</i> , 23(2):446-452 (1979).
	C53*	Smith, et al., <i>Infect. Immun.</i> , 26(1):82-89 (1979).
	C54*	Smith, et al., <i>Infect. Immun.</i> , 28(2):441-450 (1980).
	C55*	Smith, et al., <i>Archs. Oral Biol.</i> , 26:871-878 (1981).
	C56*	Smith, et al., <i>Infect. Immun.</i> , 37(2):656-661(1982).
	C57*	Smith, et al., <i>Infect. Immun.</i> , 42(1):156-162 (1983).
	C58*	Smith, et al., <i>Infect. Immun.</i> , 55(11):2562-2569 (1987).
	C59*	Smith, et al., <i>Oral Microbiol. Immun.</i> , 5(2):57-62 (1990).
	C60*	Smith, et al., <i>J. Clin. Immunol.</i> , 10(5):273-281 (1990).
	C61*	Smith, et al., <i>Infect. Immun.</i> , 61(7):2899-2905 (1993).
	C62*	Smith, et al., <i>Oral Microbiol. Immun.</i> , 13(5):278-285 (1998).
	C63*	Smith, et al., <i>Infect. Immun.</i> , 62(6):2545-2552 (1994).
	C64*	Smith, et al., <i>Infect. Immun.</i> , 62(12):5470-5476 (1994).
	C65*	Smith, et al., <i>Oral Micro Immunol.</i> , 9:65-69 (1994).
	C66*	Smith, et al., <i>J. Dental Res.</i> , Abstract 818, 77:734 (1998).
	C67*	Smith, et al., <i>Infect. Immun.</i> , 67(5):2638-2642 (1999).
	C68*	Smith, et al., <i>J. Dental Res.</i> , 78:422 (1999).
	C69*	Smith, et al., <i>Oral Microbiol. Immunol.</i> , 15:124-130 (2000).
	C70*	Smith, et al., <i>Infect. Immun.</i> , 69(5):3135-3142 (2001).
	C71*	Smith, et al., <i>Infect. Immun.</i> , 69(8):4767-4773 (2001).
	C72*	Smith, et al., <i>Infect. Immun.</i> , 64(8):3069-3073 (1996).
	C73*	Smith, et al., <i>Infect. Immun.</i> , 65(11):4424-4430 (1997).
	C74*	Socransky, et al., <i>J. Clin. Microbiol.</i> , 22(2):303-305 (1985).
	C75*	Sogaard, et al., <i>J. Biol. Chem.</i> , 268(30):22480-22484 (1993).
	C76*	Svendsen, et al., <i>Lab. Anim. Sci.</i> , 45(1):89-93 (1995).
	C77*	Tam, J.P., <i>Proc. Natl. Acad. Sci. USA</i> , 85(15):5409-5413 (1988).
	C78*	Taubman, et al., <i>J. Immunol.</i> , 118(2):710-720 (1977).
	C79*	Taubman, et al., <i>Recent Advances in Mucosal Immunity</i> , W. Strober, et al., eds. (NY Raven Press) pp. 371-382 (1982).
	C80*	Taubman, et al., <i>Glucosyltransferase, Glucans, Sucrose and Dental Caries</i> , Doyle, et al., eds., Sp. Supp., <i>Chemical Senses</i> , pp. 249-258 (1983).
	C81*	Taubman, et al., <i>J. Oral Pathol.</i> , 17:466-470 (1988).
	C82*	Taubman, et al., <i>Infect. Immun.</i> , 63(8):3088-3093 (1995).
	C83*	Taubman, et al., <i>J. Dent. Res.</i> , Abstract 2666, 76:347 (1997).
	C84*	Taubman, et al., <i>Infect. Immun.</i> , 68(5):2698-2703 (2000).

BSW 11-29-04

Date of Deposit: June 2, 2004



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Item Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
[Signature]	C85*	Taubman, et al., <i>Infect. Immun.</i> , 69:4210-4216 (2001).
	C86*	Tsumori, et al., <i>J. Bacteriol.</i> , 179(11):3391-3396 (1997).
	C87*	Ueda, et al., <i>Gene</i> , 69:101-109 (1988).
	C88*	U.S. non-published pending Patent Application No. 09/562,328 by Andrew Lees, Martin A. Taubman and Daniel J. Smith, filed May 1, 2000.
	C89*	U.S. Application No. 08/967,573 by Daniel J. Smith and Martin A. Taubman, filed November 10, 1997.
	C90*	Van Houte, et al., <i>J. Dent. Res.</i> , 68(3):451-459 (1989).

* a copy of this reference is not provided as it was previously cited by or submitted to the office in the prior applications, Serial No. 09/290,049, filed April 12, 1999, and Serial No. 10/383,930, filed March 7, 2003, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	[Signature]	Date Considered	11-29-04
-----------------------	-------------	--------------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.